



GX STEAM BOILER



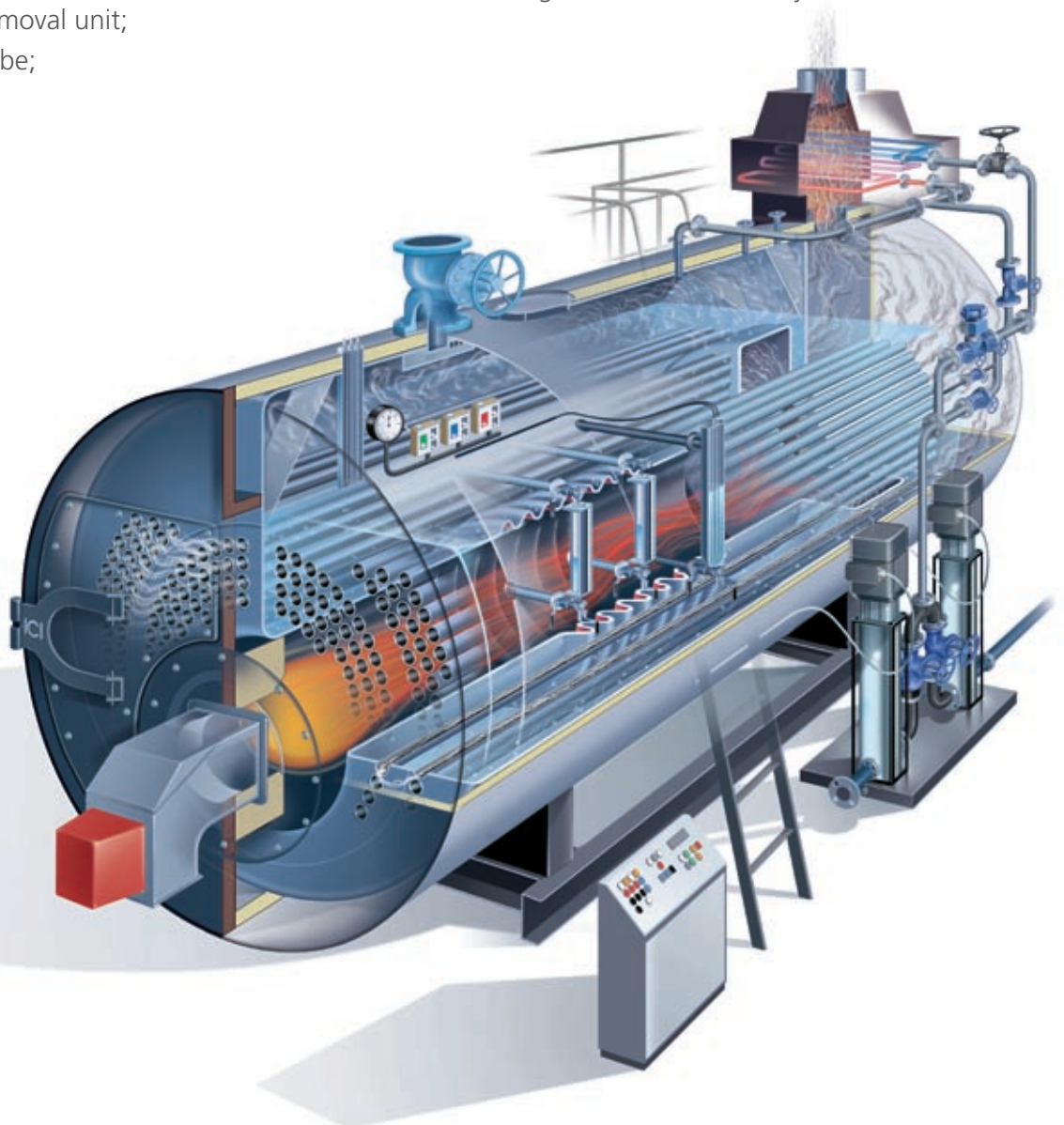
Comprehensive security system, designed and built to ensure the overall operation safety of steam generators, in line with the new CE directive concerning the conduction without supervisor for 72 continuous hours. Supplied system, (EC certificate by Notified Body as a whole in accordance with the European Directive 97/23/EC), consists of an equipment series electrically and hydraulically assembled and tested at our establishment, and more specifically:

- auto controlled security level;
- pressure security unit;
- salinity control unit (tds);
- automatic sludge removal unit;
- high level safety probe;
- boiler control panel.

High quality standards

The unit is made with materials and procedures in compliance with the regulations in force, together with the procedures laid down in the Corporate Quality System in relation to checks on acceptance of materials, during production and final tests; in particular, the following are carried out:

- sheet metal ultrasound check;
- statistical radiographic check on welds;
- hydraulic test under pressure;
- safety valve calibration check;
- steam generator functionality check.



HIGH STEAM TECHNOLOGY

The GX is a three pass, wetback steam boiler. It is a single block unit, featuring excellent efficiency and advanced technical solutions, designed and built to ensure maximum reliability and duration, considering the industrial use for which it is mainly intended.

The construction features high water volume and high energy content, a characteristic that allows

you to make sudden and very high steam withdrawals. The large mirror of evaporating fluid also prevents the entrainment of water droplets to the steam outlet; the steam produced is therefore always of high quality as it features a very high steam fraction.

The corrugated furnace, fully designed and built in-house, is sized in order to achieve reduced volu-

metric thermal loads; this results in optimum operation both with liquid and gaseous fuels, as well as the reduction of pollutants emitted into the atmosphere.

The surfaces in contact with the carrier fluid are widely sized to ensure a high coefficient of heat exchange, in order to achieve high combustion efficiency.



BENEFITS



- **Fully flanged tube plates**

The hot-flanged tube plates of the GX steam boiler ensure the absorption of thermal expansion according to the different workloads.

- **High steam fraction at each load**

The large mirror of evaporating fluid and the particular internal separator prevent the entrainment of water droplets to the steam outlet; the steam produced is therefore always of high quality as it features a very high steam fraction.



- **Great reliability in continuous operating mode**

The construction features of the GX steam boiler make it particularly suitable even for intense and heavy duty work loads and periods.

- **To can be configured as required**

A wide range of optional accessories is available to customise the product according to any specific intended use requirement.

- **High management technology**

The boiler management can be implemented with a programmable logic for complete compatibility with any data acquisition system, allowing you to display and set the operating parameters of the machine.

- **Front hinged doors with double joint**

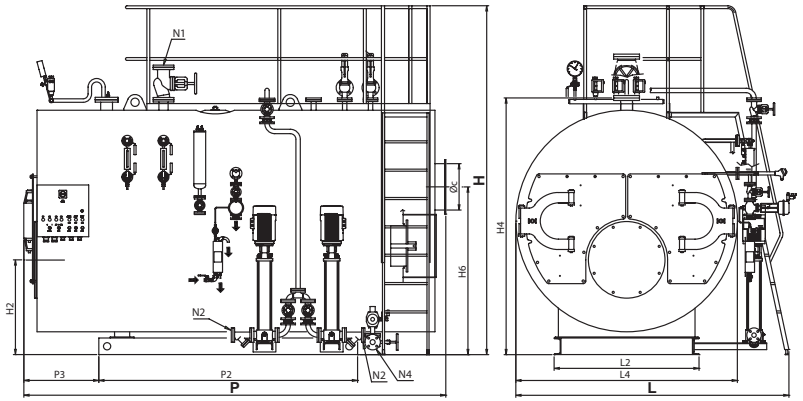
The front doors are double and can be fully opened without needing to remove the burner. This reduces the required manoeuvre space and makes the cleaning and maintenance very simple.

MODELS AND POWER

GX

Steam production
1700 ÷ 25000 kg/h

Design pressure
12 bar - 15 bar



MODEL	H	H2	H4	H6	L	L2	L4	P	P2	P3	Øc	N1	N2	N1/N2	N3	N4	N5
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	DN/in	DN/in	DN/in	DN/in	DN/in	DN/in
GX 1000	3200	865	2280	1500	2450	1200	2000	4100	2400	750	400	65	32	16	40	40	25
GX 1200	3200	865	2280	1500	2450	1200	2000	4100	2400	750	400	65	32	16	40	40	25
GX 1500	3300	915	2460	1620	2550	1400	2180	4100	2500	750	450	80	32	16	50	40	32
GX 1750	3350	915	2460	1620	2650	1400	2180	4100	2500	750	450	80	32	16	50	40	32
GX 2000	3350	915	2460	1620	2650	1400	2180	4600	3000	750	500	80	32	16	50	40	32
GX 2500	3500	990	2620	1745	2760	1500	2300	4900	3200	800	550	100	32	16	50	40	32
GX 3000	3600	1030	2690	1830	2900	1500	2340	5100	3200	880	600	100	32	16	50	40	32
GX 3500	3600	1020	2720	1750	2900	1500	2400	5600	3500	1025	600	125	32	16	50	40	32
GX 4000	3780	1115	2920	1950	3000	1600	2500	5700	3700	1070	650	125	40	16	65	40	40
GX 5000	3954	1150	3020	2020	3260	1600	2640	5700	3500	1100	650	125	40	16	65	40	40
GX 6000	4110	1250	3200	2050	3390	1700	2740	6300	4000	1100	700	150	50	16	80	40	50
GX 7000	4250	1300	3350	2070	3460	1800	2880	6750	4500	1100	700	150	50	16	80	40	50
GX 8000	4400	1345	3500	2150	3620	1900	3040	7250	5000	1100	800	150	50	40	100	40	65
GX 9000	4550	1320	3600	2200	3750	2000	3200	7650	5100	1200	900	200	50	16	100	40	65
GX 10000	4550	1400	3685	2350	3750	1900	3280	8050	5500	1200	900	200	50	40	100	40	65
GX 12000	4650	1400	3770	2240	4000	2300	3350	8700	6000	1150	1100	200	65	16	100	40	65
GX 13000	4870	1470	3970	2240	4500	2300	3500	9030	6200	1160	1100	200	65	16	100	40	65
GX 15000	4870	1750	3970	2500	4500	2300	3500	9300	6500	1200	1100	250	65	16	100	40	65

MODEL	min-max work pressure		Effective capacity	Flow thermal	100% Efficiency (ref C.O.P.)	Steam production	Volume level H ₂ O	Total volume H ₂ O	Fuel gas pressure drop	Fuel consumption			Total weight
	mod 12 bar									Gas	Diesel fuel	Nafta	
	bar	bar											
GX 1000	8-11,5	12-14	1163	1292	90,00	1700	4565	5940	5,5	133,7	110,1	115,8	6500
GX 1200	8-11,5	12-14	1395	1550	90,00	2050	4565	5840	7	160,5	132,2	139	7100
GX 1500	8-11,5	12-14	1744	1937	90,00	2560	5475	6960	7	200,6	165,2	173,7	8500
GX 1750	8-11,5	12-14	2035	2261	90,00	3000	5475	6860	7	234	192,7	202,7	9600
GX 2000	8-11,5	12-14	2326	2584	90,00	3410	6615	8435	8,5	267,5	220,3	231,6	10500
GX 2500	8-11,5	12-14	2907	3230	90,00	4260	7640	9610	8	334,3	275,3	289,5	11500
GX 3000	8-11,5	12-14	3488	3875	90,00	5100	7955	9865	9	401,2	330,4	347,4	13100
GX 3500	8-11,5	12-14	4070	4522	90,00	6000	9725	11940	10,5	468,1	385,5	405,4	14300
GX 4000	8-11,5	12-14	4651	5167	90,00	6800	10470	12670	10	535	440,6	463,3	16000
GX 5000	8-11,5	12-14	5814	6460	90,00	8520	11200	13750	10,5	668,7	550,7	579,1	18000
GX 6000	8-11,5	12-14	6977	7752	90,00	10240	13545	16530	12	798	657,2	691	21000
GX 7000	8-11,5	12-14	8140	9044	90,00	12000	15970	20030	12	925,8	762,5	801,8	24000
GX 8000	8-11,5	12-14	9302	10335	90,00	13600	19320	24680	14	1035,1	852,5	896,4	29000
GX 9000	8-11,5	12-14	10465	11627	90,00	15300	22060	28140	14	1190,5	980,4	1030,9	30000
GX 10000	8-11,5	12-14	11628	12920	90,00	17000	24620	31115	15	1322,7	1089,3	1145,5	36000
GX 12000	8-11,5	12-14	13953	15503	90,00	20000	29250	37500	19	1586,9	1306,9	1374,2	38000
GX 13000	8-11,5	12-14	15116	16795	90,00	22000	31240	40100	20	1719,6	1416,1	1489,1	40000
GX 15000	8-11,5	12-14	17442	19380	90,00	25000	36000	46300	25	1984,1	1634,0	1718,2	42500



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